ab ID : CP-2021-12-10-06

IMENSION ANALYSIS Date: 22-05-21

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	400	202	200	
2	399	202	199	
3	403	200	199	
4	400	203	203	
5	402	201	202	
6	401	200	201	
7	401	202	200	
8	404	202	201	
9	401	200	202	
10	402	201	201	
11	401	199	202	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
12	401	199	203	
13	404	200	203	
14	403	203	201	
15	399	202	200	
16	403	200	201	
17	400	199	201	
18	404	200	202	
19	402	203	200	
20	401	200	201	
Average of 20	**402**	**201**	**201**	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Lab ID : CP-2021-12-10-06 Date: 22-05-21

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	400	202	80893	424.2	5.2	5.3
2	399	202	80500	427.2	5.3	
3	403	200	80711	427.2	5.3	
4	400	203	81279	428.2	5.3	
5	402	201	81031	428.5	5.3	
6	401	200	80120	427.2	5.3	
7	401	202	81248	424.0	5.2	
8	404	202	81668	422.5	5.2	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

* The Results Obtained are Satisfactory as per Standard Requirements

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

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Quality Manager

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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	CP-2021-12-10-06	Date: 22-05-21
Project Name	:	Construction of Ward Office in Ward No.05, Byatarayanapura	
Agency	:	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064	
Customer's Reference	:	EE(Project)/Ynk Zone/WO/97/2020-21	
Date of Receipt	:	17-05-21	
Sample Type/Size	:	Solid concrete blocks size (400X100X200)mm	
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)	
Date of test	:	17-05-21	

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	402	99	201	7999	17.854	2231.9	2043.8	Not less than 1800Kg/m^3
2	398	101	203	8160	16.980	2080.9		
3	399	99	201	7940	14.439	1818.6		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

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Lab ID : CP-2021-12-10-06 Date: 22-05-21

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	403	100	201	
2	403	101	203	
3	403	102	199	
4	399	99	199	
5	403	101	202	
6	401	100	201	
7	403	100	199	
8	399	103	203	
9	403	100	201	
10	402	102	199	
11	404	102	199	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
12	402	99	201	
13	403	101	202	
14	399	100	201	
15	404	102	200	
16	401	100	201	
17	400	100	199	
18	401	101	200	
19	403	102	199	
20	404	101	201	
Average of 20	**402**	**101**	**201**	

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CP-2021-12-10-06

Date: 22-05-21

...ON
COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length mm	Breadth mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	400	100	39997	199.1	5.0	4.9
2	403	101	40579	198.6	4.9	
3	403	102	41124	197.7	4.8	
4	399	99	39565	200.3	5.1	
5	403	101	40541	192.2	4.7	
6	401	100	40017	196.6	4.9	
7	403	100	40296	195.6	4.9	
8	399	103	40972	194.3	4.7	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C(5.0)	5.00 N/mm^2	4.00 N/mm^2
C(4.0)	4.00 N/mm^2	3.20 N/mm^2

*The Results Obtained are Satisfactory as per Standard Requirements

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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R K [illegible] RECHAN
Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	: CP-2021-12-10-06	Date: 21/04/2021
	: Construction of Ward Office in Ward No.05, Byatarayanapura	
Name	: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064	
mer's Reference	: EE(Project)/Ynk Zone/WO/97/2020-21	
f Receipt	: 16-04-21	
mer ID	: FF Chajja Concrete	
e Type /Size	: 150X150X150 mm	
e grade/Age	: M20 / 7 Days Compressive Strength	
nce to BIS codes	: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5	
f test	: 21/04/2021	

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
FF Chajja Concrete	M20	14/04/2021	21/04/2021	151.63 X 150.43 X 149.08	22810	**8.293**	432.7	19.0	18.7
FF Chajja Concrete	M20	14/04/2021	21/04/2021	151.98 X 151.80 X 150.48	23071	**8.361**	427.5	18.5	
FF Chajja Concrete	M20	14/04/2021	21/04/2021	149.98 X 149.68 X 151.07	22449	**8.953**	418.4	18.6	

results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

	:	CP-2021-12-10-06
	:	Construction of Ward Office in Ward No.05, Byatarayanapura
Name	:	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
	:	EE(Project)/Ynk Zone/WO/97/2020-21
mer's Reference	:	16-04-21
of Receipt	:	FF Chajja Concrete
mer ID	:	150X150X150 mm
Type /Size	:	M20 / 28 Days Compressive Strength
grade/Age	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
ence to BIS codes	:	12/05/2021
of test		

Date: 12/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
FF Chajja Concrete	M20	14/04/2021	12/05/2021	151.69 X 150.44 X 151.35	22821	**8.111**	537.5	23.6	23.0
FF Chajja Concrete	M20	14/04/2021	12/05/2021	149.81 X 149.31 X 150.37	22369	**8.084**	495.1	22.1	
FF Chajja Concrete	M20	14/04/2021	12/05/2021	149.42 X 151.82 X 149.38	22686	**8.206**	526.3	23.2	

e results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/04/2021

: CP-2021-12-10-06
: Construction of Ward Office in Ward No.05, Byatarayanapura
: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
: EE(Project)/Ynk Zone/WO/97/2020-21
: 16-04-21
: FF Chajja Concrete
: 150X150X150 mm
: M20 / 7 Days Compressive Strength
: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
: 21/04/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
FF Chajja Concrete	M20	14/04/2021	21/04/2021	150.87 X 151.29 X 151.78	22826	**8.821**	416.8	18.3	18.4
FF Chajja Concrete	M20	14/04/2021	21/04/2021	150.29 X 149.38 X 150.43	22450	**8.334**	412.0	18.4	
FF Chajja Concrete	M20	14/04/2021	21/04/2021	151.51 X 151.97 X 149.05	23025	**8.570**	425.8	18.5	

The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Format No: CP/TF/01

: CP-2021-12-10-06

: Construction of Ward Office in Ward No.05, Byatarayanapura

Date: 12/05/2021

: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

: EE(Project)/Ynk Zone/WO/97/2020-21

: 16-04-21

: FF Chajja Concrete

: 150X150X150 mm

: M20 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 12/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
FF Chajja Concrete	M20	14/04/2021	12/05/2021	151.13 X 149.89 X 151.40	22653	8.645	527.5	23.3	23.4
FF Chajja Concrete	M20	14/04/2021	12/05/2021	150.34 X 151.20 X 150.69	22732	8.153	521.7	23.0	
FF Chajja Concrete	M20	14/04/2021	12/05/2021	151.41 X 151.12 X 150.35	22883	8.436	547.4	23.9	

Results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Test ID	:	CP-2021-12-10-06
Name	:	Construction of Ward Office in Ward No.05, Byatarayanapura
Client's Reference	:	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Receipt	:	EE(Project)/Ynk Zone/WO/97/2020-21
Mix ID	:	16-04-21
Type /Size	:	FF Lintel Concrete
Grade/Age	:	150X150X150 mm
Ref to BIS codes	:	M25 / 7 Days Compressive Strength
Test	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
		21/04/2021

Date: 21/04/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
FF Lintel Concrete	M25	14/04/2021	21/04/2021	150.29 X 149.85 X 151.50	22521	8.920	527.5	23.4	23.1
FF Lintel Concrete	M25	14/04/2021	21/04/2021	149.57 X 151.86 X 151.43	22714	8.530	520.7	22.9	
FF Lintel Concrete	M25	14/04/2021	21/04/2021	149.14 X 149.99 X 151.85	22371	8.629	513.7	23.0	

Results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

CP-2021-12-10-06

Date: 12/05/2021

Name : Construction of Ward Office in Ward No.05, Byatarayanapura
Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
's Reference : EE(Project)/Ynk Zone/WO/97/2020-21
Receipt : 16-04-21
of ID : FF Lintel Concrete
Type /Size : 150X150X150 mm
Grade/Age : M25 / 28 Days Compressive Strength
ce to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
: 12/05/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
FF Lintel Concrete	M25	14/04/2021	12/05/2021	150.61 X 149.17 X 151.09	22467	8.562	623.4	27.7	27.6
FF Lintel Concrete	M25	14/04/2021	12/05/2021	151.82 X 151.55 X 151.01	23009	8.965	607.2	26.4	
FF Lintel Concrete	M25	14/04/2021	12/05/2021	150.75 X 150.11 X 150.58	22629	8.599	646.3	28.6	

sults obtained are satisfactory as per standard requirements.

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Certificate No.: TC-5548

Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

	:	CP-2021-12-10-06 Date: 07-06-21
	:	Construction of Ward Office in Ward No.05, Byatarayanapura
	:	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Work Name	:	EE(Project)/Ynk Zone/WO/97/2020-21
Client's Reference	:	02-06-21
Date of Receipt	:	Fine Aggregate, M.Sand for Mortar
Sample Type	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates)
Reference to BIS codes	:	IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	02-06-21
Total weight taken	:	1000 grams

Sl.No	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
	4.75 mm	0	0	0	100	100
1	2.36 mm	85	85	8.5	91.5	90-100
2	1.18 mm	200	285	28.5	71.5	70-100
3	600 micron	146	431	43.1	56.9	40-100
4	300 micron	116.5	547.5	54.8	45.3	5-70
5	150 micron	412.5	960	96.0	4.0	0-15
6	Pan	40	1000	100.0	0.0	0
7						

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TEST REPORT FOR SAND MASONRY MORTARS

Job ID : CP-2021-12-10-06

Date: 07-06-21

PHYSICAL PROPERTIES

Sno	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	3.18	–
2	Specific Gravity	2.51	–
3	Material finer than 75 micron(%)	12.2	Crushed Fine aggregate Max 15%
4	Compacted Bulk Density (Kg/litre)	1.90	–
5	Loose Bulk Density (Kg/litre)	1.73	–

The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Certificate No.: TC-5548

TEST REPORT FOR PLASTER SAND

Format No: CP/TF/2017

Lab ID	:	CP-2021-12-10-06
Project Name	:	Construction of Ward Office in Ward No.05, Byatarayanapura — Date: 07-06-21
Agency	:	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Customer's Reference	:	EE(Project)/Ynk Zone/WO/97/2020-21
Date of Receipt	:	02-06-21
Sample Type	:	Plaster Sand
Reference to BIS codes	:	IS: 383 : 2016 (Specification for Coarse and fine Aggregates) IS1542:1992 (Sand for Plaster - Specification) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	02-06-21
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	35	35	3.5	96.5	95-100
3	2.36 mm	15	50	5	95	95-100
4	1.18 mm	50	100	10	90	90-100
5	600 micron	100	200	20	80	80-100
6	300 micron	215	415	41.5	58.5	20-65
7	150 micron	500	915	91.5	8.5	0-15
8	Pan	85	1000	100	0	---

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-63

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Certificate No.: TC-1548

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2021-12-10-06

Date: 07-06-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.8	–
2	Specific Gravity	2.56	–
3	Material finer than 75 micron(%)	8.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

CIVIL Pro Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Certificate No : TC-9548

TEST REPORT OF CERAMIC TILES

Lab ID : CP-2021-12-10-06 Date: 31-08-21
Project Name : Construction of Ward Office in Ward No.05, Byatarayanapura
Agency : Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Customer's Reference : EE(Project)/Ynk Zone/WO/97/2020-21
Date of Receipt : 24-08-21
Sample Type/ Size : Ceramic tiles (300X300)mm
Reference to BIS codes : IS 13630 (part 1) : 2006, IS 15622:2006
Date of test : 24-08-21

MEASUREMENTS OF LENGTH, WIDTH AND THICKNESS

Number Of Specimen	Length measured at position 5mm from the corner		Breadth measured at position 5mm from the corner		Thickness measured at thickest part, 4 diagonal segment			
	1	2	1	2	1	2	3	4
1	300	300	300	300	6.04	6.01	6.08	6.04
2	300	300	300	300	6.01	6.07	6.01	6.01
3	300	300	300	300	6.03	6.05	6.06	6.03
4	300	300	300	300	6.06	6.05	6.08	6.06
5	300	300	300	300	6.08	6.06	6.05	6.08
6	300	300	300	300	6.03	6.07	6.07	6.07
7	300	300	300	300	6.08	6.05	6.08	6.07
8	300	300	300	300	6.02	6.05	6.04	6.05
9	300	300	300	300	6.04	6.04	6.02	6.04
10	300	300	300	300	6.04	6.01	6.05	6.04
Average	300		300		6.05			

Asst. Executive Engineer
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BBMP, Bangalore - 92

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TEST REPORT OF CERAMIC TILES

WATER ABSORPTION

Sl.no	Weight of oven dry sample	Saturated weight of sample	Water absorption by mass	Average value of water absorption
1	1406	1455	3.49	2.85
2	1424	1464	2.81	
3	1464	1498	2.32	
4	1408	1454	3.27	
5	1434	1468	2.37	

MODULUS OF RUPTURE AND BREAKING STRENGTH

Sl.No

Sl.No.	Dimension (mm)			Wet Transverse Strength	Average
	L	B	T	(N/mm^2)	(N/mm^2)
1	300	300	6.04	14.8	14.66
2	300	300	6.06	14.2	
3	300	300	6.02	14.9	
4	300	300	6.06	14.8	
5	300	300	6.05	14.6	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Pothole Division
Yelahanka Zone
BBMP, Bangalore - 92

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R/KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Certificate No.: TC-5548

Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID	:	CP-2021-12-10-06 **Date: 16-09-21**
Project Name	:	Construction of Ward Office in Ward No.05, Byatarayanapura
Agency	:	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Customer's Reference	:	EE(Project)/Ynk Zone/WO/97/2020-21
Date of Receipt	:	13-09-21
Sample Type	:	Fine Aggregate, M.Sand for Mortar
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	13-09-21
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	86	86	8.6	91.4	90-100
3	1.18 mm	190	276	27.6	72.4	70-100
4	600 micron	150	426	42.6	57.4	40-100
5	300 micron	114.5	540.5	54.1	46.0	5-70
6	150 micron	408.5	949	94.9	5.1	0-15
7	Pan	51	1000	100.0	0.0	0

Asst. Executive Engineer
Project Division
BBMP (Yelahanka Zone)
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TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : CP-2021-12-10-06 Date: 16-09-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	3.15	–
2	Specific Gravity	2.50	–
3	Material finer than 75 micron(%)	12.0	Crushed Fine aggregate Max 15%
4	Compacted Bulk Density (Kg/litre)	1.90	–
5	Loose Bulk Density (Kg/litre)	1.76	–

The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT FOR PLASTER SAND

Format No: CP/TF/2017

Lab ID	:	CP-2021-12-10-06
Project Name	:	Construction of Ward Office in Ward No.05, Byatarayanapura — Date: 17-09-21
Agency	:	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Customer's Reference	:	EE(Project)/Ynk Zone/WO/97/2020-21
Date of Receipt	:	13-09-21
Sample Type	:	Plaster Sand
Reference to BIS codes	:	IS: 383 : 2016 (Specification for Coarse and fine Aggregates) IS1542:1992 (Sand for Plaster - Specification) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	13-09-21
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
	10 mm	0	0	0	100	100
1	4.75 mm	31	31	3.1	96.9	95-100
2	2.36 mm	10	41	4.1	95.9	95-100
3	1.18 mm	40	81	8.1	91.9	90-100
4	600 micron	90	171	17.1	82.9	80-100
5	300 micron	205	376	37.6	62.4	20-65
6	150 micron	497	873	87.3	12.7	0-15
7	Pan	127	1000	100	0	---
8						

Asst. Executive Engineer
Project Division
Yelahanka Zone
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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2021-12-10-06 Date: 17-09-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	–
2	Specific Gravity	2.53	–
3	Material finer than 75 micron(%)	8.00	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

CIVIL Pro Sig Date BANGALORE

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Quality Manager

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